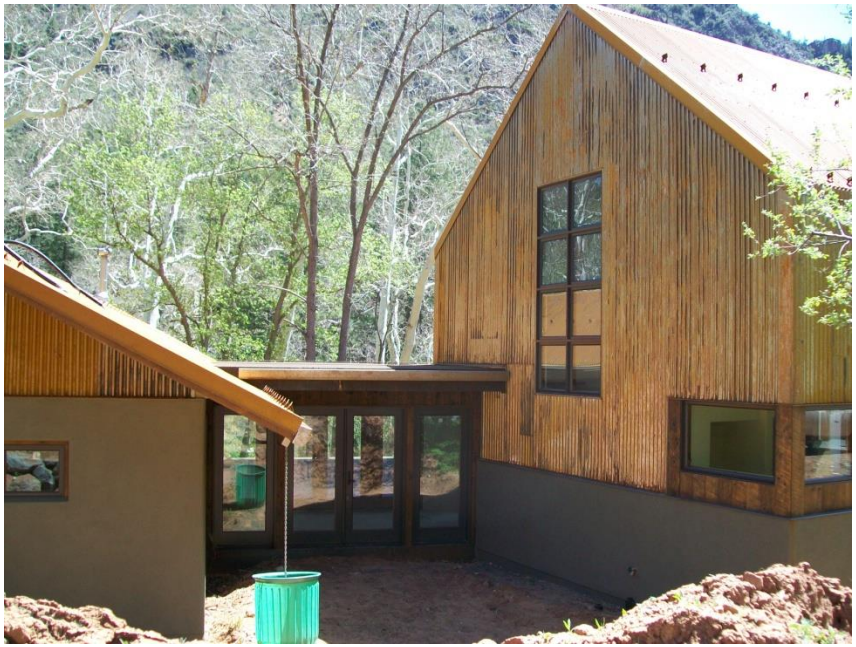
Hublitz Residence

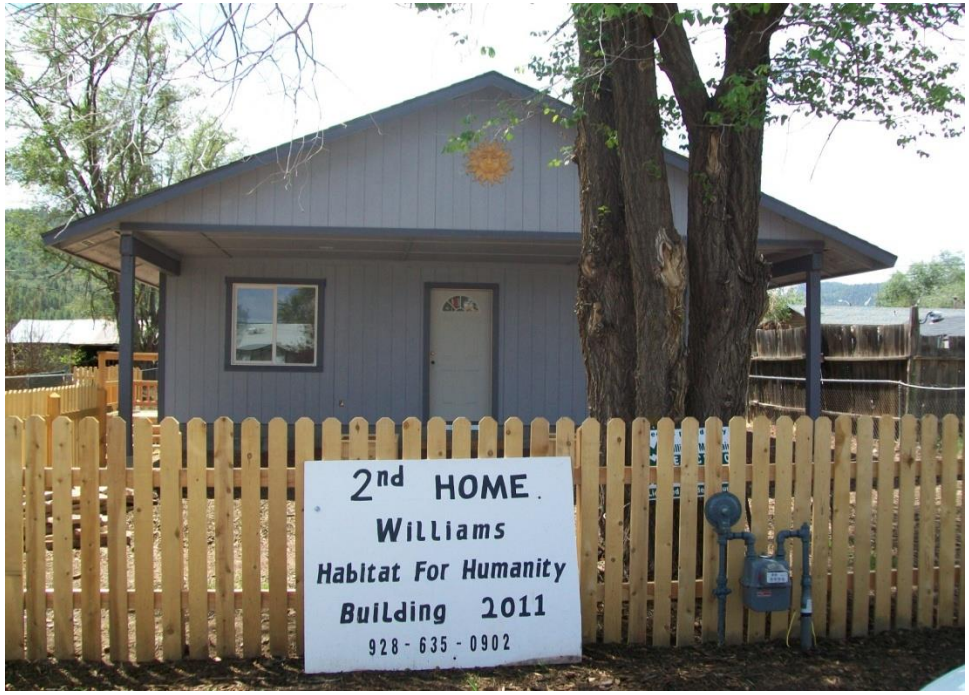
- Rainwater collection system
- South orientation - passive solar gain
- Air lock vestibule
- Solar water heating system
- R-24 insulated walls, R-49 insulated ceiling, insulated and sealed attic entrance to minimize energy loss
- Ventilation – seasonal cooling, indoor air quality
- Energy Performance Analysis completed
- Tree stumps - mulch for use on site
- Construction waste reduction/reuse plan
- (ICF)
- Passive radon ventilation



Owners: George & Louise Hublitz
Award : Advanced
Architect: Intrinsik Architecture, Inc.
Builder: Green Mountain Construction, Inc.

Williams Habitat for Humanity

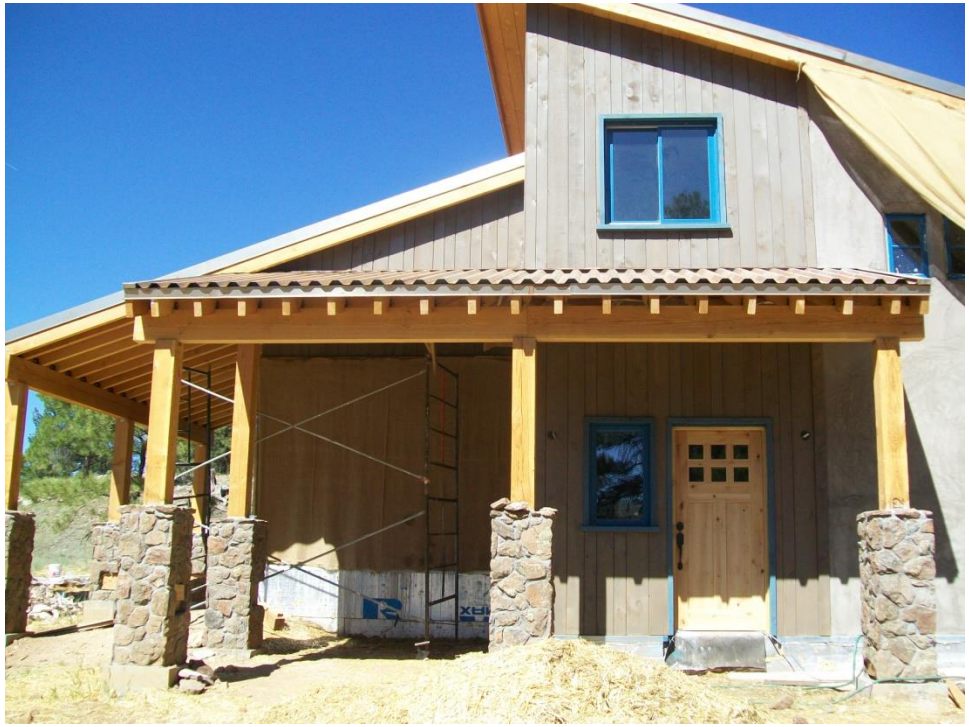
- Building placed on previously developed land
- Advanced framing with 6 inches of spray foam insulation
- Valspar® low VOC paint used
- Smaller house design
- Energy star appliances
- ADA compliant
- Low E windows, U=0.34 and SHGC=0.32
- Low flow shower heads and faucets
- Neighborhood revitalization and beautification



Owner : Habitat for Humanity-Williams
Builder : Habitat for Humanity-Williams
Award : Intermediate

Jones Residence

- Erosion control plan with topsoil preservation
- Stand alone photovoltaic array to provide clean renewable energy
- Trombe walls
- Low E windows, U values=0.32-0.36 and SHGC=0.22-0.15
- Straw bale walls with cement / lime plaster
- Locally harvested Malapai stone
- South orientation for passive solar gain
- No chemical herbicides used
- Interior CMU wall for thermal mass



Owner : Jones Family
Designer: Circle Design & Development
Award : Advanced

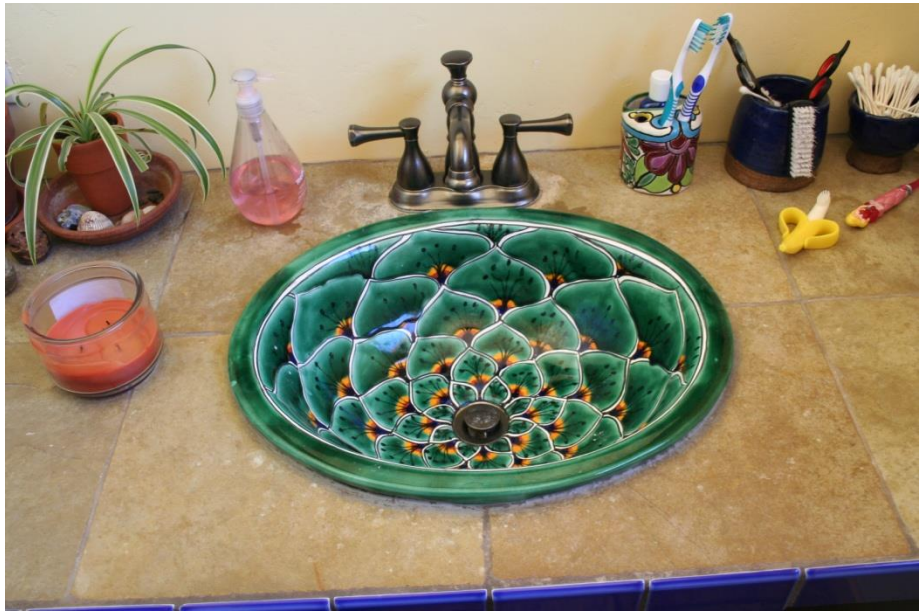
Perrine Residence

- Arxx ICF balloon framed wall construction
- S.F.I. certified Sierra Pacific casement windows
- Whole house fan with Venmar Heat Recovery Ventilator (HRV)
- Ceiling has 8” of closed cell spray foam, R-48
- City infill project
- Radiant floor heat with 15 zones and smart wiring
- Durable design and materials
- Wrap around back porch Direct vent fireplace, 3,800 sq. ft. heating capacity
- Garage doors, R-10
- Solar pre wiring for photovoltaic and hot water
- Kids activity space, adult entertainment area
- Home office

Owner/Builder: Ben and Tracy Perrine
Architect: Smith Architects
Award : Advanced

Robinson Accessory

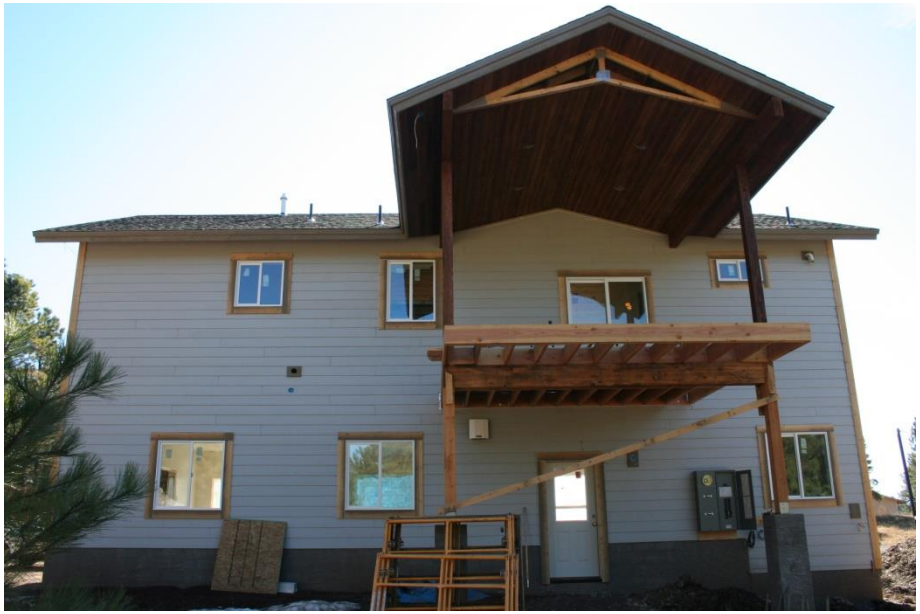
- Small building footprint on five acres of open space
- Solar and wind ~100% energy needs
- Insulation R-40
- Ceiling R-49
- Low-flow fixtures and toilets
- Greywater reuse and rainwater harvesting
- Waste recycling/reduction plan
- Used local ponderosa pine
- Passive solar design
- Radiant floor with wood stove for supplementary heat, rarely used due to passive solar design



Owner: Matt and Mary Jane Robinson
Designer/Builder: Matt Robinson, Western Builders
Award : Advanced Plus

Buzzard Residence

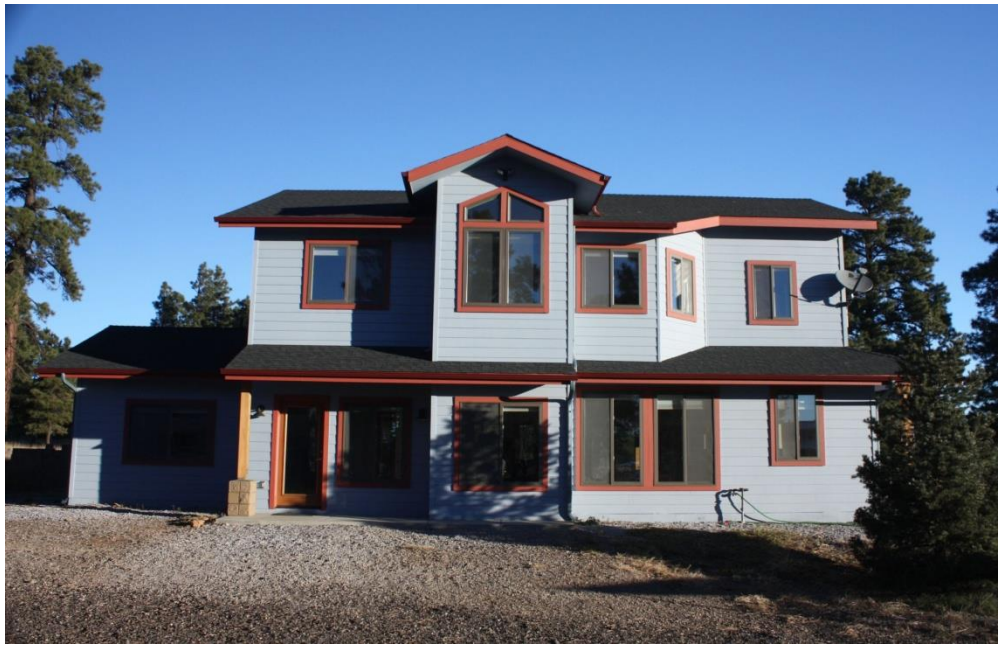
- Near urban trails and open land
- Included a "no disturbance zone"
- Permeable walkways and driveways
- Timer activated whole house circulation hot water system
- Insulated hot water lines
- Energy Star appliances
- Xeriscape
- Passive solar
- Efficiently insulated walls and ceiling
- Energy performance analysis and blower door test
- Donated excess construction materials to a non-profit
- Durable finishes and recycled building materials
- HRV



Owner: Brian and Rachel Buzzard
Designer/Builder: Brian and Rachel Buzzard
Award Certification Level: Advanced

Westbrook-Silvagni

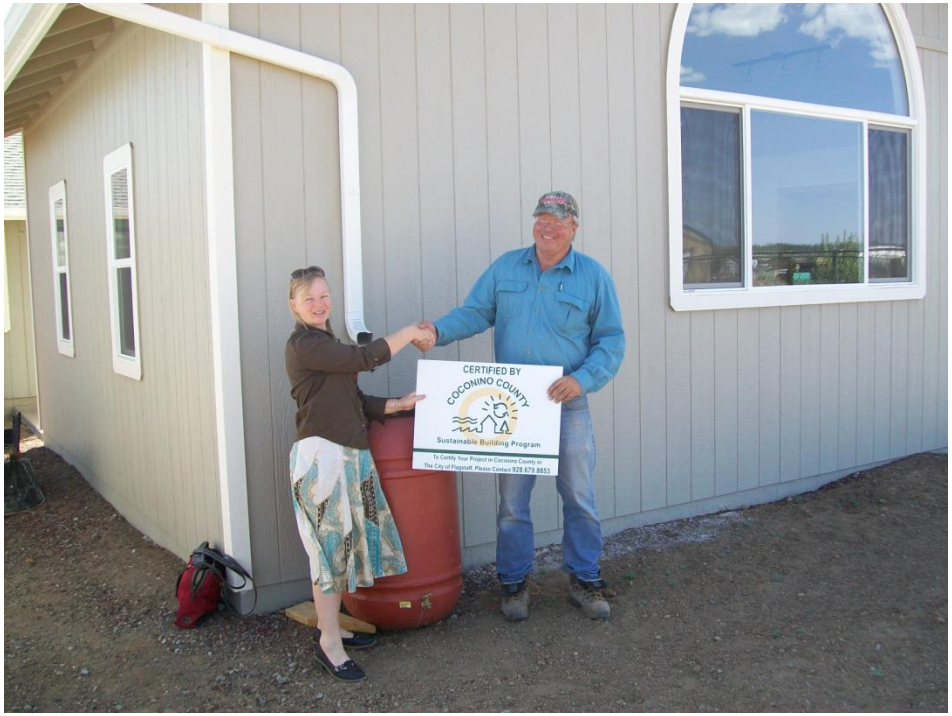
- Built on previously developed land
- No chemical herbicides or pesticides used
- greywater
- Water heater near bathroom fixtures, hot water lines are fully insulated
- Rainwater collection and distribution system to conserve heat loss
- Xeriscape
- Air lock vestibule
- Blown-in cellulose insulated walls and ceiling
- Ceiling fans
- Passive radon ventilation
- Formaldehyde-free construction materials
- Daylighting
- Includes local pine accents
- ADA



Owner: Linda Rae Westbrook & Paul Silvagni
Architect: SolarTerra Design, LLC
Builder: Dream View Homes, Inc.
Award : Advanced

Sims Residence

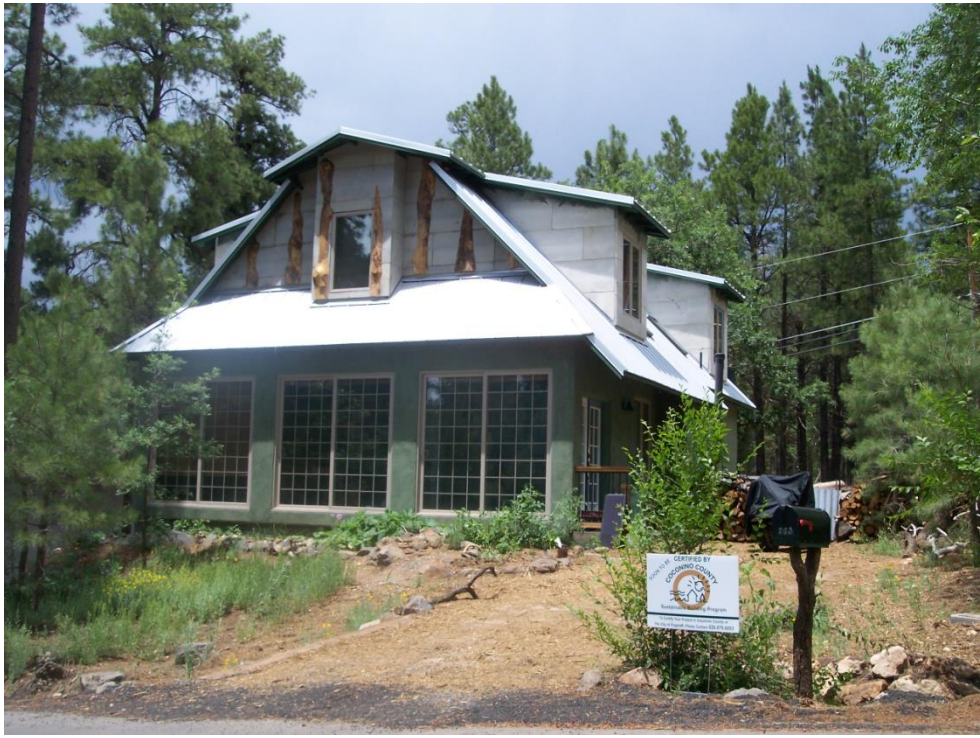
- Multigenerational
- Energy Star
- Low flow shower heads and faucets
- Insulated blinds on North facing windows
- 86% efficient gas furnace
- Constructed with minimal impact on natural vegetation, site topography and natural drainage ways
- Landscape requires no irrigation
- Daylighting
- Excess materials donated to a non-profit building association (Both Hands)
- Walls R-21 and ceiling R-49



Owner : Jason and Elizabeth Sims
Builder : AHC Homes, LLC
Award : Intermediate

McKee Residence

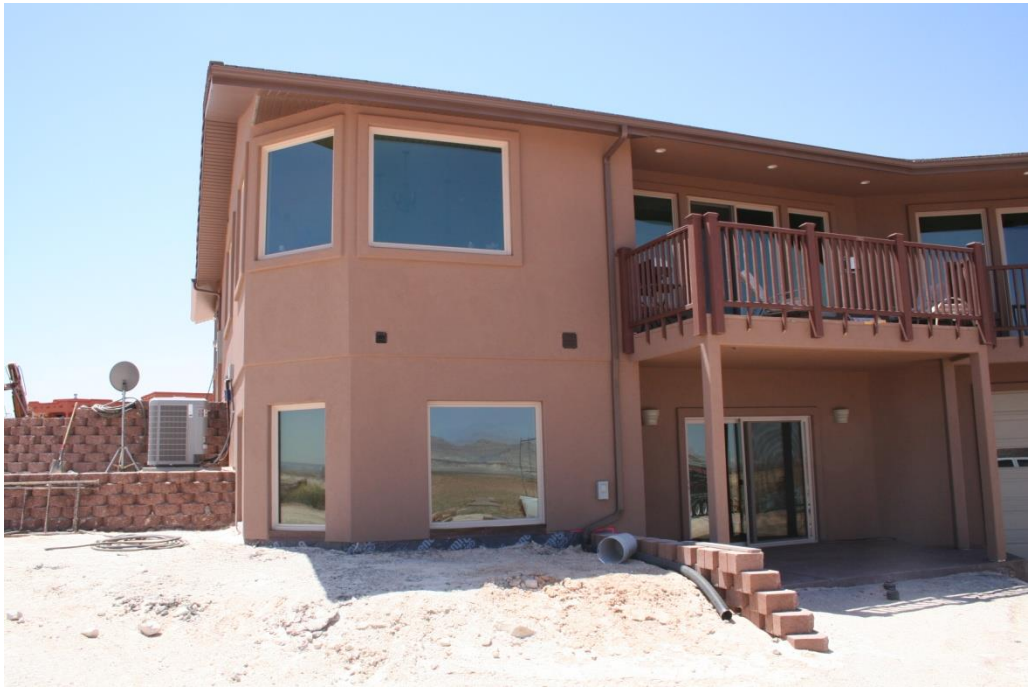
- Alternative construction material : Flexcrete
- Passive solar design
- Energy Star appliances
- Integrated the built with the natural environment
- Small building footprint
- Infill
- Used local material
- Permeable walkways and driveways
- Greywater for irrigation
- Rainwater collection
- Xeriscape yard
- High thermal resistant and efficient wall insulation
- Composting system
- Healthy indoor air quality ventilation used
- Zero-VOC materials used



Owner: David McKee
Designer / Builder : David Mckee
Award : Advanced

LaPorte Residence

- Future grid tied solar PV
- Eco block used in garage
- Walls = R38, Roofing System = R 60
- Xeriscape
- Low-flow fixtures and toilets, shower heads = 2.5 gpm and toilets 1.6 gpf
- Waste recycling / reduction plan
- Geo-Spring hybrid hot water heater combines energy saving heat pump technology with traditional electric elements
- Permeable walkways and driveways



Owner: Angela LaPorte
Architect: Dan Thebeau
Award : Advanced

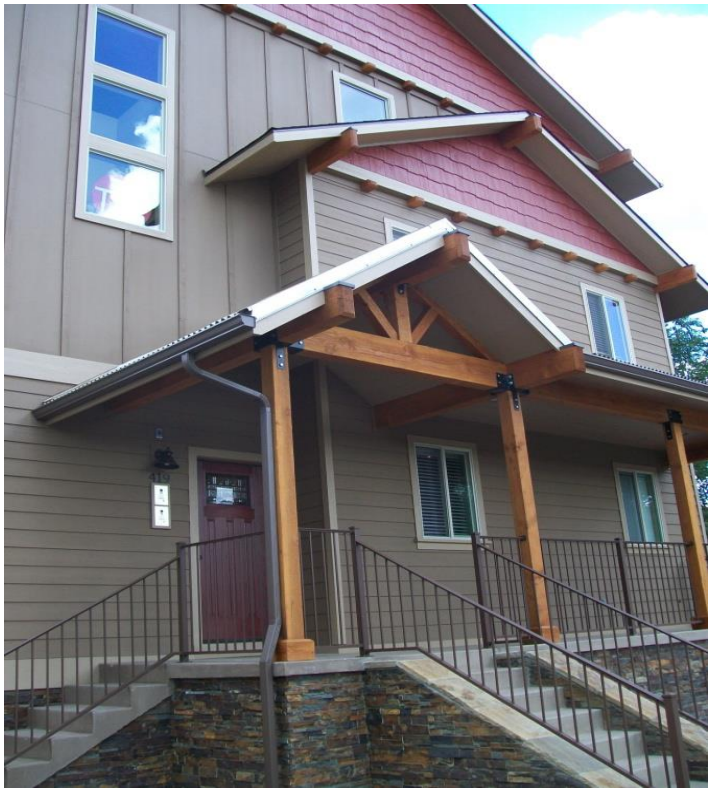
Aumack/Logan Residence

- *Erosion control plan with topsoil preservation*
- *Located near urban trail, public transportation, local shopping opportunities, and open space*
- *Constructed on site*
- *Outdoor living space*
- *Smaller house design*
- *Insulated hot water lines*
- *South orientation*
- *Air lock vestibule*
- *APEX block*
- *Ventilation strategy Integral wall systems for envelope walls*
- *Durable finishes*
- *Daylighting*
- *Regional materials used*
- *Recycled, salvaged or reclaimed materials*

Owner: Ethan Aumack and Rosemary Logan
Architect: Paul Moore, PWM Architects
Builder: Matt Robinson, Western Builder
Award : Advanced

Lumberjack Lodge

- Demilec® soy based spray foam
- Advanced Framing
- I.C. rated recessed lights
- 10 bedrooms with shared common area
- Heat Recovery Ventilator
- SFI certified siding, soffit and trim board
- Recycling of construction materials throughout the project
- Interior wall cavities filled with formaldehyde free insulating batt for sound proofing
- High density development, urban infill
- Local Builders
- Working towards Energy Star certification
- Efficient furnace and appliances



Owner: Lumberjack Lodging, LLC
Builder: Hope Construction
Architect: Shapes and Forms
Energy Consultants: E3 Energy, LLC
Award: Advanced

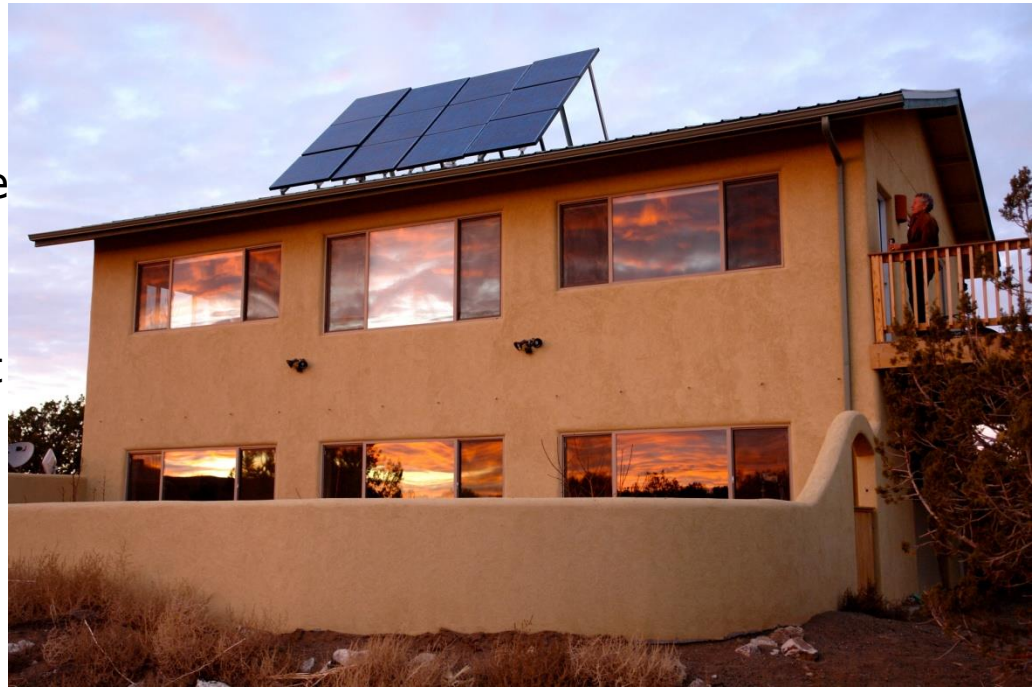
Izabel Land Trust Phase III

- affordable housing project, Phase III of Izabel Land Trust Homes
- infill project in high density area
- access to urban trail and public transit
- redevelopment of hazardous buildings, neighborhood improvement
- 4 houses (1-1550 sf, 3-1208 sf)
- Xeriscape
- Long term affordability, utilities less than $1000/yr
- Low-flow fixtures
- Energy Star appliances
- T5, CFL lighting
- insulated hot water lines

Owner: City of Flagstaff & Bothands
Architect: Shapes and Forms Architects, Inc.
Builder: Loven Contracting, Inc.
Award : Intermediate

Sorensen Residence

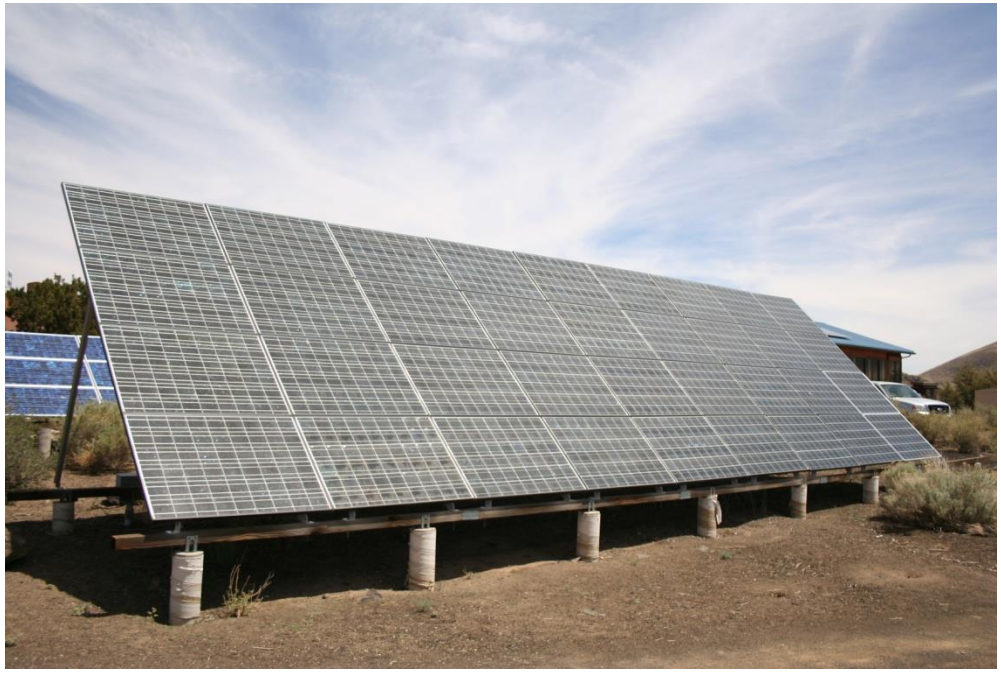
- ICF
- greywater system for irrigation
- vegetable garden, wind wall built for their climate and location
- rainwater collection system for domestic use
- earth berm built into first floor
- inside garden and composting
- radiant floor heating and passive solar design
- duel flush and low flow toilets
- durable materials
- radiant film in ceiling
- 12 solar PV ~ 100% of energy needs
- gas and wood burning stove for back up heat



Owner: Mark and Kate Sorensen
Designer/Builder: Mark and Kate Sorensen w/ Mike Eastman
Award : Community Model

STAR School

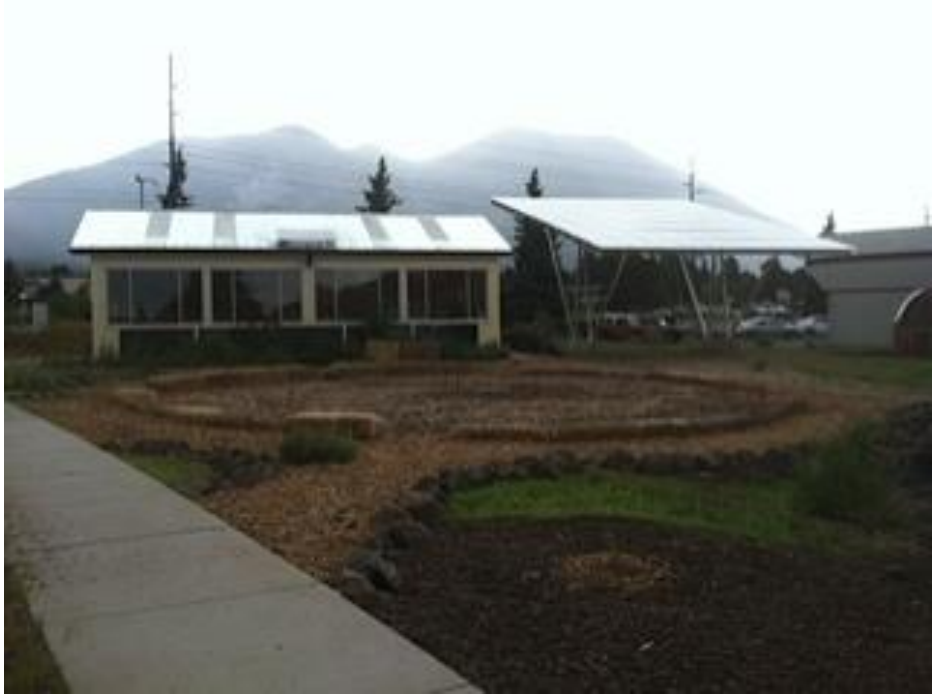
- first off-grid solar and wind powered charter school in the U.S.
- Vertical wind turbines float on magnets, no noise, creates 37,000 watts of power
- Strawbale construction
- Passive solar
- 100 solar panels
- NAU Engineering measuring wind speeds
- Solar power education in all grade levels
- Landscape and playground rammed earth
- Children participate in growing their own food
- educate on sustainable living systems and permaculture design



Director: Dr. Mark Sorensen
Architect: various
Builder: various
Award: Community Model

Ponderosa School

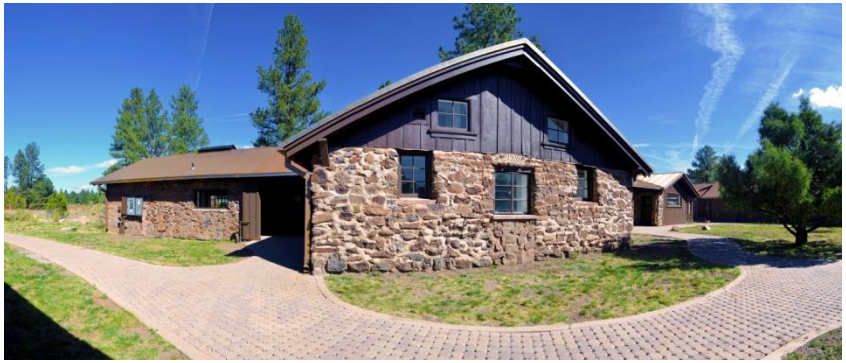
- greenhouse centered on 2400 gallon cistern
- wind and solar energy
- fruit and vegetable gardens
- cold frame greenhouse
- compost systems
- vermiculture (worm farms)
- water wise earthworks
- diverse animal habitat (frogs, horny toads, gopher snake, pocket gophers)
- curb cuts capturing and filtering street pollutants and recharging ground water
- Sustainability Project provides students a place to gather and learn, grow food and solve problems



Principal: David Roth
Superintendent: Robert Kelty
Sustainability Educators: John Taylor, Rachel Steagall
Award: Community Model

MNA Powell Building

- renovation of 1935 Powell Dairy Barn
- home to the MNA Biology Department
- reuse of original trusses
- part of historic overlay
- daylighting, skylights T5 lighting
- radiant heat, 96% efficient
- 3 HRV units
- Corten Roofing
- original stone exterior
- native plant landscaping
- Cemex concrete floors
- LED task lighting
- rainwater fed to wetland that supports ethnobotanical plants
- low VOC paints



Owner: Museum of Northern Arizona
Architect: Robert/Jones Associates, Inc.
Construction Manager At Risk: Kinney Construction Services
Award Certification Level: Community Model